

Improving Health Care Boosting Missouri's Economy

Caring for Missourians is a funding proposal of the Missouri Department of Higher Education (MDHE) and Missouri colleges and universities to address the critical shortage of health care workers in Missouri.

FACT: Training more health care workers will increase income for Missourians by millions of dollars. For example:

Economic Impact of Filling Registered Nursing (RN) Vacancies in Hospitals

| <u>Filling vacancies at:</u> | <u>100%</u> | <u>75%</u> | <u>50%</u> | <u>25%</u> |
|--|-------------|------------|------------|------------|
| Total FTE vacancy (2008) | 1,516 | 1,137 | 758 | 379 |
| Direct Payroll Impact (yearly, in millions) | \$80.6 | \$60.5 | \$40.3 | \$20.2 |

**FACT:
Workers in
health care
fields enjoy
higher than
average
median
incomes.**

Average Wages, All Occupations

Median Yearly Wage (in Missouri)

| | |
|--|----------|
| With some college or an associate's degree | \$30,787 |
| With a bachelor's degree | \$41,621 |

Average Wages, Health Occupations

| | |
|---|----------|
| Occupational/Physical Therapy Assistant | \$42,300 |
| Respiratory Therapy | \$44,800 |
| Radiologic Technology | \$46,600 |
| Nursing (AND & BSN—RN) | \$53,200 |
| Dental Hygiene (AS and BS) | \$62,230 |
| Pharmacist | \$96,500 |

FACT: The economic impact of *Caring for Missourians* is \$53,099,850, based on the median income total from one graduating class in a single year.

A current critical shortage...

FACT: Missouri's aging population faces a shortage of health care workers. Without action, a health care crisis threatens Missouri.

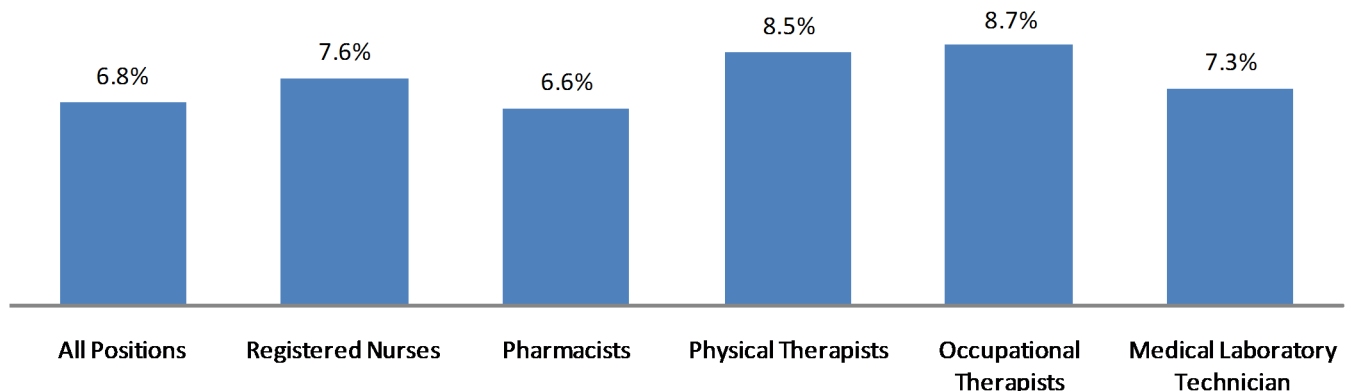
- More than 13 percent of Missourians are over age 65.
- By 2030, this number will jump to 20 percent, or 1.3 million people.
- Missouri is ranked 17th in the U.S. in the percentage of older adults.
- In addition to assistance needed to manage chronic disease, this population will be admitted to the hospital at approximately 5 times the rate of the under 65 population.
- 44 percent of Missourians — both rural and urban — do not have adequate access to a primary care professional.
- Missouri is ranked 41st in the adequacy of care provided to Missouri citizens.

“Currently in Missouri we have more than 100 vacancies for therapists. The Bureau of Labor Statistics predicts that by 2014 there will be a shortage of more than 100,000 physical, occupational and speech therapists in the U.S.”

— RehabCare President and CEO John H. Short

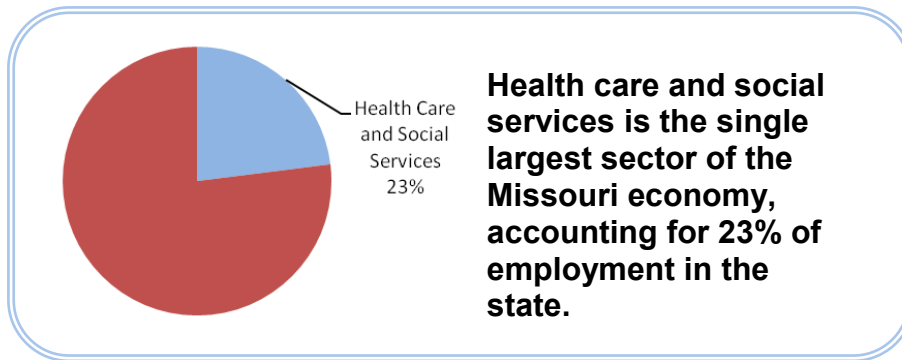
FACT: Missouri does not produce enough graduates to meet current — much less future — demands in many fields.

Hospital Vacancy Rates by Position, 2008 (MHA)



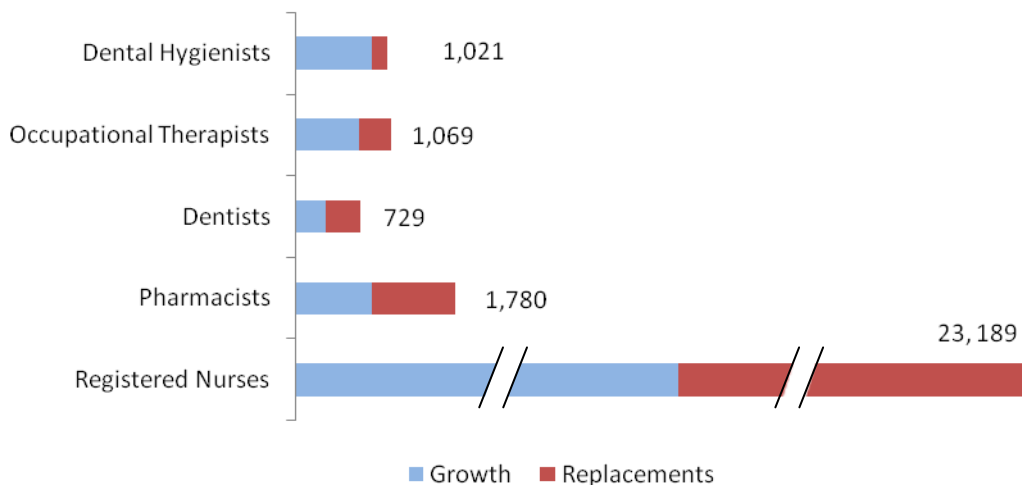
...a future crisis.

FACT: Health care workforce demands will increase.



While Missouri's total population is projected to grow by 9 percent, the number of people ages 65 and older will increase 44 percent by 2020.

Projected Openings, Selected Occupations, 2004-2014



FACT: Capacity at higher education institutions limits enrollment, not student interest.

Missouri needs:

- **More available seats** — In 2008, almost 50,000 qualified applicants were turned away from bachelor and graduate nursing programs in the United States due to limited capacity, up from 30,000 in 2007.
- **Technology to expand capacity** — Use of technology in training programs can significantly expand available seats and increase the number of graduates.
- **Expertise to train more students** — More health professionals with advanced degrees are needed to supplement primary care in the field and to train new students.

Caring for Missourians

A solution that will work for Missouri

Caring for Missourians is a strategic, cooperative initiative involving all public colleges and universities that:

- provides multiple options for students — postsecondary certificates through medical doctors;
- responds to market demand for the highest healthcare needs;
- increases the number of graduates by an average of 20 percent;
- provides a measurable return on investment in graduates and service to Missouri.

| Caring for Missourians: By the Numbers | |
|--|--------|
| Total Number of Institutions | 26 |
| Total Funding Request (in millions) | \$39.8 |
| Number of New Graduates | 1,006 |

Institutions have requested funds based on the cost to educate a student per year by the total number of years to complete:

Example: Nursing

State contribution
per year: \$10,094

Years to complete x4

**Total cost for
one graduate \$40,374**

How will the funds be used?

- Additional faculty
- Technology to increase capacity
- Programmatic equipment and supplies
- Additional training facilities where necessary
- **Production of new graduates**

The Bottom Line

Educating more health care professionals now will:

- Increase quality of health care statewide
- Decrease medical errors
- Provide care for Missouri's aging population
- Prepare Missourians to fill stable, high wage occupations
- Have a positive impact on the economy

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